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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/522,859

04/27/2005

Carlos Portasany Sanchez

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EXAMINER

KARIKARI, KWASI

ART UNIT

PAPER NUMBER

2617

MAIL DATE

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/522,859	<b>Applicant(s)</b> PORTASANY SANCHEZ, CARLOS	
	<b>Examiner</b> KWASI KARIKARI	<b>Art Unit</b> 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 19 February 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### Response to Arguments

1. Applicant's arguments, see Remarks, filed 02/19/2009, with respect to the rejection(s) of claim(s) 1-15 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Nacheff and Proust.

### Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

**Claims 1-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nacheff (U.S. 20020137545 A1), (hereinafter Nacheff) in view of Proust et al. (US 6,216,014), (hereinafter, Proust).**

**Regarding claims 1 and 9, Nacheff discloses a method/mobile telephone device (= mobile equipment 1, see, [0127-29] Fig. 1 and 2), comprising:**

an integrated circuit card with a subscriber identity module or a universal subscriber identity module (= Sim smart card, see, Fig. 2), said card comprising a storage operable for storing at least one application (= smart card stores data, algorithms and Sim Toolkit applications, see [0005, 0015, 0023 and 0033-37]);

a device operable for remote access management of the card based on remote access message reception by mobile telephony (= SIM toolkit application communicates with applications installed in servers via short message channel; and some operations continue to be performed locally, see [0023 and 00164-66]);

at least one data array manager module for managing data arrays of at least one application stored in the card (= programmable interface with application; and creation of SIM Toolkit application from applets, see [0100 and 0107-08]), said at least one data array manager module comprising:

a receiver operable to receive, by means of a remote access message received by mobile telephony (= SIM toolkit application communicates with applications installed in servers via short message channel, see [0023]).

**Nachef** explicitly fails to disclose that the array manager module receives at least one instruction for operating on at least one piece of data contained in an array of a specified application; an analyzer operable for analyzing said at least one instruction; an accessing device operable for accessing said array, said accessing device further comprising a receiver operable for receiving from the specified application a requested reference for said array; the accessing device being operable for accessing said array based on said reference; and apparatus operable for performing at least one operation

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on said at least one piece of data in said array, according to said at least one instruction, without the necessity of deleting and rewriting the entire specified application stored in the card”.

However, **Proust**, which is an analogous art, equivalently teaches;

array manager module that receives at least one instruction for operating on at least one piece of data contained in an array of a specified application (= SMS-C3 sends enhanced short message to SIM modules 5, see col. 10, lines 53-67; SIM module 5 has Command execution means 6, see col. 10, lines 36-56; enhanced short message body 22 includes remote command such as SELECT, UPDATE BINARY, SEEK, UPDATE RECORD, CREATE FILE, CREATE RECORD etc, see col. 10, line 64- col. 11, line 13; and each file elementary system file contains information, see col. 7, lines 8-42);

an analyzer operable for analyzing said at least one instruction (= SIM module interprets each remote command, see col. 13, lines 42-50);

an accessing device operable for accessing said array (= access the files, see col. 13, lines 45-52), said accessing device further comprising

a receiver operable for receiving from the specified application a requested reference for said array (= each file elementary system file contains information, see col. 7, lines 8-42; system file locator information needed to read into elementary file, see col. 7 lines 24-48; and command to access file, see col. 8 lines 19-25)

the accessing device being operable for accessing said array based on said reference (= each file elementary system file contains information, see col. 7, lines 8-42;

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system file locator information needed to read into elementary file, see col. 7 lines 24-48; and command to access file, see col. 8 lines 19-25) and,

apparatus operable for performing at least one operation on said at least one piece of data in said array, according to said at least one instruction, without the necessity of deleting and rewriting the entire specified application stored on the card (= updates user card objects, see col. 3, lines 45-53; col. 11, lines 1-13 and col. 15, lines 63-67).

It would therefore have been obvious to one of the ordinary skill in the art to combine the teaching of Proust into the system of Nacheff for the benefit of achieving a SIM card system whereby objects/files information on SIM card can be securely updated or reconfigured.

**Regarding claims 2 and 10**, as recited in claims 1 and 9, Nacheff fails to disclose operation for asking the specified application for said reference of said array.

However, **Proust**, which is an analogous art, equivalently teaches, operation for asking the specified application for said reference of said array (= each file elementary system file contains information, see col. 7, lines 8-42; system file locator information needed to read into elementary file, see col. 7 lines 24-48; and command to access file, see col. 8 lines 19-25).

It would therefore have been obvious to one of the ordinary skill in the art to combine the teaching of Proust into the system of Nacheff for the benefit of achieving a

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SIM card system whereby objects/files information on SIM card can be securely updated or reconfigured.

**Regarding claim 3**, as recited in claim 1, **Nachef** discloses that said specified application is a SIM Application Toolkit or a Universal SIM Application Toolkit application (=Toolkit applications, see [0023 and 0041-47]).

**Regarding claim 4**, as recited in claim 1, **Nachef** discloses the device, wherein said data array manager module is configured to be able to access arrays of a plurality of said applications (= API are programmable interfaces with applications, see [0083, 0105 and 0107-08]).

**Regarding claim 5**, as recited in claim 1, **Nachef** further discloses the device, wherein said data array manager module is part of said specific application having said data array to be accessed by said data array manager module (= API are programmable interfaces with applications, see [0083, 0105 and 0107-08]).

**Regarding claim 6**, as recited in claim 5, **Nachef** further discloses the device, wherein said data array manager module is an Application Programming interface (= API are programmable interfaces with applications, see [0083, 0105 and 0107-08]).

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**Regarding claim 7**, as recited in claim 1, **Nachef** further discloses the device, wherein said device operable for remote access management is based on a GSM 03.48 standard or on a 3GPP 23.048 standard (see [0097 and 0120]).

**Regarding claim 8**, as recited in claim 3, **Nachef** further discloses that the device comprising a terminal supporting said Subscribe identity Module (SIM) Application Toolkit or said Universal SIM Application Toolkit and also at least one of a supporting Data Download, and a class "e" terminal supporting the SIM Toolkit commands for channel management (see [0127-32]).

**Regarding claim 11**, as recited in claim 9, **Nachef** further discloses receiving said message in a terminal of subscriber equipment; sending said message from said terminal to the card; forwarding the at least one instruction via a remote access manager module in the card to a data array manager module identified in the message (see [0082-83 and 0107-08]).

**Regarding claim 12**, as recited in claim 11, **Nachef** further discloses that the message is of the Data Download type (see [0127-32]).

**Regarding claim 13**, as recited in claim 12, **Nachef** further discloses sending of said message to the card by an ENVELOPE command (see [0068]).



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**Regarding claim 14**, as recited in claim 11, **Nachef** further discloses the method wherein the message is sent to the card through a Bearer Independent Protocol-based channel

(= short message is use a transport technology, see [0023 and 0110]).

**Regarding claim 15**, as recited in claim 13, **Nachef** further discloses the method, wherein the at least one instruction is forwarded to a data array manager module identified by a Toolkit Application Reference field of the message (see Par. [0063]).

### **CONCLUSION**

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See attached form PTO-892 for cited references and the prior art made of record.

**Examiner's Note:** Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner. **SEE MPEP 2141.02 [R-5] VI. PRIOR ART MUST BE**

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**CONSIDERED IN ITS ENTIRETY, INCLUDING DISCLOSURES THAT TEACH AWAY**

**FROM THE CLAIMS:** A prior art reference must be considered in its entirety, i.e., as a whole, including portions that would lead away from the claimed invention. W.L. Gore & Associates, Inc. v. Garlock, Inc., 721 F.2d 1540, 220 USPQ 303 (Fed. Cir. 1983), cert. denied, 469 U.S. 851 (1984) In re Fulton, 391 F.3d 1195, 1201, 73 USPQ2d 1141, 1146 (Fed. Cir. 2004). >See also MPEP §2123.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kwasi Karikari whose telephone number is 571-272-8566. The examiner can normally be reached on M-T (9am - 7pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8566.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Kwasi Karikari/

Patent Examiner: Art Unit 2617.

/Charles N. Appiah/

Supervisory Patent Examiner, Art Unit 2617